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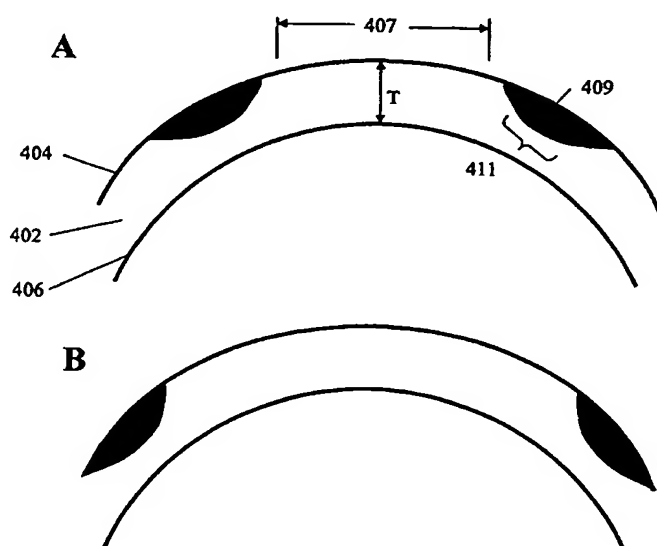
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ENHANCED CORNEAL ACCOMMODATION



(57) Abstract: A method and apparatus related to enhancing corneal accommodation to address the effect of presbyopia. Corneal/scleral topology measurements in accommodation and non-accommodating states are indicative of a presbyopic subject's nominal corneal accommodative power. A desired accommodative power intended to improve on the effect of presbyopia can be determined, suggesting a selective biomechanical intervention in the corneal structure outside of the optical zone to create flexure regions. These flexure regions would allow enhanced corneal accommodation upon presentation of an accommodating stimulus. Intervention could be in the form of, for example, corneal surface ablation, intrastromal ablation, conductive keratoplasty (CK), laser thermal keratoplasty (LTK), and corneal and/or scleral implants. An improved topology measuring apparatus having an improved field of view and other attributes is disclosed.

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